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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,753	10/06/2003	Martin Lambert	15540-010001 / 18.00277;	6623
26161	7590	03/13/2008	EXAMINER	
FISH & RICHARDSON PC			ELVE, MARIA ALEXANDRA	
P.O. BOX 1022				
MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER
			1793	
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			03/13/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/678,753	LAMBERT, MARTIN	
	Examiner	Art Unit	
	M. Alexandra Elve	1793	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 19 December 2007.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1 and 4-17 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1 and 4-17 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 06 October 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____.	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4-5, 7-8 & 10-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioji, (USPN 5,763,855).in view of Riedlinger et al. (USPN 5,895,208).

Shioji discloses a laser beam machine having nitrogen gas supplied to the optical path. A relief valve (35) is connected to a discharge port (chamber) (34). The pressure within the optical path cover of the optical system is kept higher than the atmospheric (outside air) pressure. It is possible to construct the optical path cover in such a way that part of the supplied gas can be discharged to the outside through an appropriate gap formed between the connection portions of some elements of the optical path cover. Thus in this embodiment in order to maintain the pressure within the optical path cover under a stable constant value, a discharge port is formed at a position of the optical path cover and further a relief valve is connected to this discharge port. Consequently, the inner pressure within the optical path cover can be maintained at a substantially constant level through the relief valve, even if the volume of the optical path cover is decreased or increased and thereby the inner pressure thereof is increased or decreased, for example when the laser beam head is moved.

Shioji discloses a relief valve but not the specific components of the valve.

Riedlinger et al. discloses a pressure relief valve. The pressure relief valve has a disc with a central mount, preferably by a pin penetrating it and the valve seat or the valve disc on the side.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use a pressure relief valve with a disc and pin as taught by Riedlinger et al. in the Shioji system because this is merely a common embodiment of a pressure relief valve.

Claims 6 & 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioji, as stated above and further in view of Weick et al. (USPN 5,811,753).

Shioji discloses that the pressure within the optical path cover of the optical system is kept higher than the atmospheric (outside air) pressure, but does not teach dealing with an overpressure.

Weick et al. disclose a laser beam machine having a gas filled beam conduit. The beam conduit is filled with air and a limited amount of CO₂. An adjustable outlet filter on the outlet hole is used to regulate/vent the excess pressure inside the beam delivery tube.

It would have been obvious to one of ordinary skill in the art at the time of the invention to regulate/vent excess pressure as taught by Weick et al. in the Shioji system because it keeps a constant pressure (stable constant value) in the optical path.

Response to Arguments

Applicant's arguments filed 12/19/07 have been fully considered but they are not persuasive.

Applicant argues that Riedlinger does not provide a seal when it is closed. The examiner respectfully notes that this is taught by the other references. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-1173. The examiner can normally be reached on 7:30-4:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 571-272-1742. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 2, 2008.

/M. Alexandra Elve/
Primary Examiner, Art Unit 1793